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### SUCO 0500/0501 ELECTRONIC PRESSURE SWITCH

Factory set

0500200411002 NO, 0 - 2 Bar, G 1/4, NBR, M12x1

- · Single switch point
- · Small & compact
- · Ceramic sensor
- Stainless steel housing



The SUCO 0500/0501 performance series electronic pressure switch offers a small compact electronic switch without compromising on quality which comes factory set (unadjustable by the user) with overpressure protection (up to 2x), has a long service life and is also attractively priced especially at high volumes. Using a ceramic sensor in thick film technology for a good operating temperature range and accuracy, there are six standard pressure ranges starting from 0..2 bar all the way up to 0..100 bar and a hysteresis of 1%-98%, available in normally open or normally closed with a PNP transistor output. The wetted parts are made of ceramic, stainless steel and either NBR, EPDM OR FKM ensuring excellent media compatibility, with six standard electrical connection options including Deutsch, DIN and M12 combined with two standard thread type options.

Customer specific solutions are also available on request.

Application examples

- Automotive
- · Braking systems
- Medical
- Mobile hydraulics
- Off highway
- Off-shore
- Rail



# **TECHNICAL DATA**

#### **GENERAL DATA**

Electrical connection	M12x1
Output	PNP
Function	Normally open (SPST)
Adjustment range min	0 bar
Pressure max	4 bar
Burst pressure	8 bar
Adjustment range max	2 bar
Process connection	1/4 BSP

#### **TEMPERATURE & MATERIALS DATA**

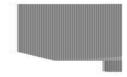
Temperature ambient to	100 °C
Material of wetted parts	NBR, Stainless steel 1.4305
Material membrane	NBR
Temperature of media from	-30 °C
Temperature ambient from	-30 °C
Temperature of media to	100 °C
Material of body	Stainless steel 1.4305

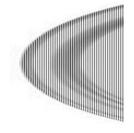
## ADDITIONAL DATA

Switching point adjustment range	3100 % of adjustment range(full scale) nominal pressure, set at factory
Weight	80 g
Switching time	< 4 ms
Supply voltage dc max	32 V DC
Supply voltage dc min	9,6 V DC

#### **SAFETY & APPROVALS**

IP class	IP67
Vibration resistance	20g: 42000 Hz sine wave, DIN EN 60068-2-6
Hysteresis	298% full scale, programmable at factory (maximum tolerance $\pm 1.0\%$ of adjustment range nominal pressure)
Repeatability	±0.1 % of adjustment range (full scale) nominal pressure
Accuracy	$\pm 0.5$ % of adjustment range (Full scale) at room temperature
EMC	EMC 2014/30/EU; EN 61000-6-2:2005; EN 61000-6-3:2007
Mechanical life expectancy	5,000,000 pulsations at rise rates to 1,000 bar/s nominal pressure
Long term stability	±0.1 % of adjustment range (full scale) per year
Shock resistance	500m / s²; 11 ms half sine wave; DIN EN 60068-2-27
Pressure range max	2 bar
Pressure range min	0 bar
Display	No







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